System and method for managing data privacy in a database management system

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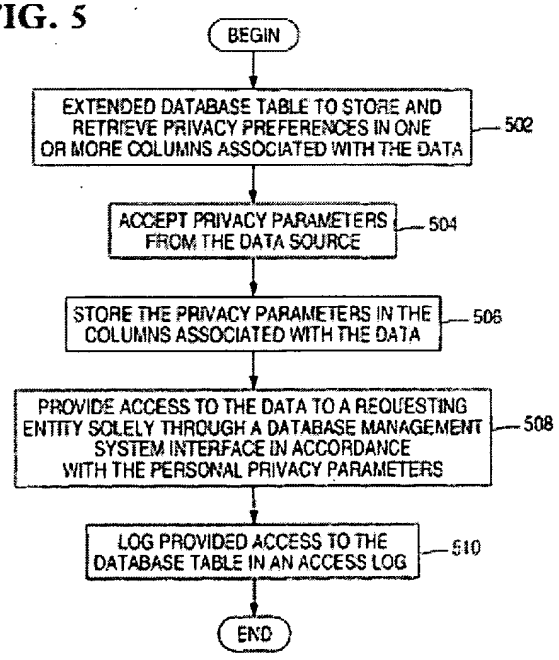
Abstract of **EP0990972**

A method, apparatus, and article of manufacture for managing data privacy in a database management system is disclosed. The apparatus comprises a database management system, for storing and retrieving data from a plurality of database tables wherein the data in the database tables is controllably accessible according to privacy parameters stored in the database table, a database management system interface operatively coupled to the database management system and controlling access to the data within the database tables according to the privacy parameters, and an audit module, communicatively coupled to the database management system interface, for validating enforcement of the data privacy parameters in the database management system.

FIG. 5


BEGIN
EXTENDED DATABASE TABLE TO STORE AND RETRIEVE PRIVACY PREFERENCES IN ONE OR MORE COLUMNS ASSOCIATED WITH THE DATA
502
ACCEPT PRIVACY PARAMETERS FROM THE DATA SOURCE
504
STORE THE PRIVACY PARAMETERS IN THE COLUMNS ASSOCIATED WITH THE DATA
506
PROVIDE ACCESS TO THE DATA TO A REQUESTING ENTITY SOLELY THROUGH A DATABASE MANAGEMENT SYSTEM INTERFACE IN ACCORDANCE WITH THE PERSONAL PRIVACY PARAMETERS
508
LOG PROVIDED ACCESS TO THE DATABASE TABLE IN AN ACCESS LOG
510
END

Data supplied from the ***esp@cenet*** database - Worldwide